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INFORMATION DISCLOSURE			Application Number	To be assigned	
			Filing Date	July 14, 2003	
STATEMENT BY APPLICANT		First Named Inventor	Shiro Fukuyama		
(use as many sheets as necessary)			Art Unit	To be assigned	
		Examiner Name	To be assigned		
1	of	\$	Attorney Docket Number	6012.210-US	
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		U.	S PATENT DOCU	MENTS	
Examiner Initials	Cite No.	Document Nurriber  Number ~ Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Palentee or Applicant of Oted Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS						
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`	Examiner Name	To be assigned	
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hus		Terada et al., Applied and Environmental Microbiology, Vol. 65, No. 3, pp 910-915 (1999)		
		Takaha et al., The Journal of Biological Chemistry, Vol. 208, No. 2, pp. 1881-1895 (1998)		
		Kitahata et al., Agric. Biol. Chem., 53 (10), 2653-2659, 1989		
	· ·	Peat et al., J. Chem. Soc. 1956, 44-53		
ling		Kaneko et al., PIR Database Accession No. S74648, 25 Apr. 1997	•	
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